Nucleotide

1: AY046923. Azospirillum bras...[gi:21326609]

Links

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LOCUS       AY046923                2334 bp    DNA     linear   BCT 05-JUN-2002
DEFINITION  Azospirillum brasilense acetoacetyl-CoA reductase (phbB) gene,
            complete cds.
ACCESSION   AY046923
VERSION     AY046923.1  GI:21326609
KEYWORDS    .
SOURCE      Azospirillum brasilense
  ORGANISM  Azospirillum brasilense
            Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales;
            Rhodospirillaceae; Azospirillum.
REFERENCE   1  (bases 1 to 2334)
  AUTHORS   Kadouri,D., Burdman,S., Jurkevitch,E. and Okon,Y.
  TITLE     Identification and Isolation of Genes Involved in
            Poly(beta-Hydroxybutyrate) Biosynthesis in Azospirillum brasilense
            and Characterization of a phbC Mutant
  JOURNAL   Appl. Environ. Microbiol. 68 (6), 2943-2949 (2002)
  MEDLINE   22034968
   PUBMED   12039753
REFERENCE   2  (bases 1 to 2334)
  AUTHORS   Kadouri,D.E., Jurkevitch,E. and Okon,Y.
  TITLE     Direct Submission
  JOURNAL   Submitted (18-JUL-2001) Department of Plant Pathology and
            Microbiology, The Hebrew University Of Jerusalem, Faculty of
            Agricultural, Food and Environmental Quality Sciences, Rehovot
            76100, Israel
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Revised: July 5, 2002.

Nucleotide

1: AB085816. Pseudomonas putid...[gi:21218116] Links

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DEFINITION  Pseudomonas putida phbC, phbA, phbB, flp, orf5 genes, complete cds.
ACCESSION   AB085816
VERSION     AB085816.1  GI:21218116
KEYWORDS    .
SOURCE      Pseudomonas putida
  ORGANISM  Pseudomonas putida
            Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
            Pseudomonadaceae; Pseudomonas.
REFERENCE   1
  AUTHORS   Beijiu,C. and Suwen,Z.
  TITLE     PHB synthesis genes in Pseudomanas sp
  JOURNAL   Published Only in Database (2002)
REFERENCE   2  (bases 1 to 9118)
  AUTHORS   Beijiu,C. and Suwen,Z.
  TITLE     Direct Submission
  JOURNAL   Submitted (26-MAY-2002) Chen Beijiu, Anhui Agriculture University,
            Life Science; 130# Changjiang West Road, Hefei, Anhui 230036, China
            (E-mail:swzhu@mail.hf.ah.cn, Tel:8655128237953464)
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Revised: July 5, 2002.

Nucleotide

PubMed Nucleotide Protein Genome Structure PMC Taxonomy OMIM Books

Search Nucleotide for Go Clear

Limits Preview/Index History Clipboard Details

Display default Show: 20 Send to File Get Subsequence

1: AF098459. Rhodobacter sphae...[gi:27573537] Links

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LOCUS       AF098459                2829 bp    DNA     linear   BCT 10-JAN-2003
DEFINITION  Rhodobacter sphaeroides poly-3-hydroxybutyric acid synthase (phbC)
            gene, complete cds.
ACCESSION   AF098459 AF104265
VERSION     AF098459.2  GI:27573537
KEYWORDS    .
SOURCE      Rhodobacter sphaeroides
  ORGANISM  Rhodobacter sphaeroides
            Bacteria; Proteobacteria; Alphaproteobacteria; Rhodobacterales;
            Rhodobacteraceae; Rhodobacter.
REFERENCE   1  (bases 1 to 2829)
  AUTHORS   Kim,J.-H. and Lee,J.K.
  TITLE     Cloning, nucleotide sequence and expression of gene coding for
            poly-3-hydroxybutyric acid (PHB) synthase of Rhodobacter
            sphaeroides 2.4.1
  JOURNAL   J. Microbiol. Biotechnol. 7, 229-236 (1997)
REFERENCE   2  (bases 1 to 2829)
  AUTHORS   Kim,J.-H. and Lee,J.K.
  TITLE     Direct Submission
  JOURNAL   Submitted (13-OCT-1998) Life Science, Sogang University, Mapo,
            Shin-su Number 1, Seoul 121-742, Korea
REFERENCE   3  (bases 1 to 2829)
  AUTHORS   Kim,J.-H. and Lee,J.K.
  TITLE     Direct Submission
  JOURNAL   Submitted (04-NOV-1998) Life Science, Sogang University, Mapo,
            Shin-su Number 1, Seoul 121-742, Korea
  REMARK    Nucleotide sequence update by submitter
COMMENT     On Jan 10, 2003 this sequence version replaced gi:3860090.
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1: AJ006237. Azorhizobium caul...[gi:3152943]

Links

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DEFINITION  Azorhizobium caulinodans phbC gene.
ACCESSION   AJ006237
VERSION     AJ006237.1  GI:3152943
KEYWORDS    PHB synthase; phbC gene.
SOURCE      Azorhizobium caulinodans
  ORGANISM  Azorhizobium caulinodans
            Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
            Hyphomicrobiaceae; Azorhizobium.
REFERENCE   1
  AUTHORS   Mandon,K., Michel-Reydellet,N., Encarnacion,S., Kaminski,P.A.,
            Leija,A., Covallos,M.A., Elmerich,C. and Mora,J.
  TITLE     Poly-beta-hydroxybutyrate turnover in Azorhizobium caulinodans is
            required for growth and affects nifA expression
  JOURNAL   J. Bacteriol. 180 (19), 5070-5076 (1998)
  MEDLINE   98422458
   PUBMED   9748438
REFERENCE   2  (bases 1 to 1752)
  AUTHORS   Michel-Reydellet,N.
  TITLE     Direct Submission
  JOURNAL   Submitted (20-MAY-1998) Michel-Reydellet N., Biotechnologie,
            Institut Pasteur, 25 rue du Dr Roux, Paris, 75724, FRANCE
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Revised: July 5, 2002.

1: Z80158. Pseudomonas sp. p...[gi:3115089]

Links

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DEFINITION  Pseudomonas sp. phaC genc.
ACCESSION   Z80158
VERSION     Z80158.1  GI:3115089
KEYWORDS    phaC gene; polyhydroxybutyratc synthase.
SOURCE      Pseudomonas sp.
  ORGANISM  Pseudomonas sp.
            Bacteria; Proteobacteria.
REFERENCE   1
  AUTHORS   Ja Shin,K., Youn Sung,K., Seung Goun,L., Won Jung,C., Seok Youn,K.,
            Ook Joon,Y., Ghun Bin,Y. and Jang Ryol,L.
  TITLE     Cloning of Alkaligenes lactus Poly-b-hydroxyalkanoic Acid
            Biosynthetic Genes and Their Expression in Escherichia coli
  JOURNAL   Unpublished
  REMARK    (sites)
REFERENCE   2  (bases 1 to 275)
  AUTHORS   Youn Sung,K.
  TITLE     Direct Submission
  JOURNAL   Submitted (11-SEP-1996) Youn Sung K., Korea Research Institute of
            Bioscience and Biotechnology, Plant Cell and Molecular Biology
            Researt, Yusung, Taejon, Korea
FEATURES             Location/Qualifiers
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Entrez Nucleotide

1: J05003. A.eutrophus poly-...[gi:141958]

Links

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LOCUS       AFAPHBAA                2768 bp    DNA     linear   BCT 26-APR-1993
DEFINITION  A.eutrophus poly-beta-hydroxybuterate-C (phbC) gene, complete cds
            and poly-beta-hydroxybuterate-A (phbA) gene, 5' end.
ACCESSION   J05003
VERSION     J05003.1  GI:141958
KEYWORDS    poly-beta-hydroxybuterase polymerase.
SOURCE      Ralstonia eutropha
  ORGANISM  Ralstonia eutropha
            Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales;
            Ralstoniaceae; Ralstonia.
REFERENCE   1  (bases 1 to 2768)
  AUTHORS   Peoples,O.P. and Sinskey,A.J.
  TITLE     Poly-beta-hydroxybutyrate (PHB) biosynthesis in Alcaligenes
            eutrophus H16. Identification and characterization of the PHB
            polymerase gene (phbC)
  JOURNAL   J. Biol. Chem. 264 (26), 15298-15303 (1989)
  MEDLINE   89359357
   PUBMED   2670936
COMMENT     Original source text: A.eutrophus (strain H16) DNA.
FEATURES             Location/Qualifiers
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